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OM protein - protein search, using sw model

Run on: March 24, 2003, 15:50:39 ; Search time 18.1909 Seconds

(without alignments)
422.155 Million cell updates/sec

Title: US-09-988-971-2

Perfect score: 1351

Sequence: 1 MSLPSRRKSLSPSLSSV.....RESLSPYISLNDKAVSLDDA 261

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*

2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*

3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*

4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*

5: /cgn2_6/ptodata/2/1aa/PTOS.COMB.pep.*

6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	374.5	27.7	512	4	US-08-426-509A-16
2	374.5	27.7	512	4	PCT-US95-05008-16
3	364.5	27.0	505	4	US-08-426-509A-17
4	364.5	27.0	505	4	PCT-US95-05008-17
5	364.5	27.0	505	4	US-08-426-509A-17
6	348.5	25.8	499	4	US-08-426-509A-19
7	348.5	25.8	499	4	PCT-US95-05008-19
8	344	25.5	509	3	US-09-039-555B-17
9	344	25.5	509	4	US-08-426-509A-18
10	344	25.5	509	4	US-09-457-040B-8
11	319.5	23.6	537	4	US-08-426-509A-11
12	319.5	23.6	537	4	PCT-US95-05008-11
13	319.5	23.6	543	4	US-08-426-509A-14
14	319.5	23.6	543	4	PCT-US95-05008-14
15	317.5	23.5	496	2	US-09-006-675-2
16	317.5	23.5	496	4	US-09-228-603A-2
17	316.5	23.4	529	4	US-08-426-509A-15
18	316.5	23.4	529	4	PCT-US95-05008-15
19	305	22.6	536	4	US-08-426-509A-12
20	305	22.6	536	4	PCT-US95-05008-12
21	290.5	21.5	533	5	US-07-820-011A-2
22	290.5	21.5	533	5	PCT-US93-00445-2
23	287.5	21.3	532	1	US-08-594-447-1
24	287.5	21.3	532	1	US-08-665-647-1
25	280.5	20.8	536	4	US-07-820-011A-4
26	280.5	20.8	536	4	US-08-426-509A-13
27	280.5	20.8	536	5	PCT-US93-00445-4

28	280.5	20.8	536	5	PCT-US95-05008-13	Sequence 13, Appl
29	278	20.6	98	2	US-08-479-078-7	Sequence 7, Appl
30	272	20.1	98	2	US-08-479-078-6	Sequence 6, Appl
31	266	19.7	108	5	PCT-US94-01840-6	Sequence 6, Appl
32	264	19.5	101	2	US-08-574-952A-5	Sequence 5, Appl
33	264	19.5	101	4	US-09-357-014-5	Sequence 5, Appl
34	262	19.4	98	4	US-08-479-078-5	Sequence 5, Appl
35	262	19.4	98	4	US-08-975-040-22	Sequence 22, Appl
36	262	19.4	224	1	US-08-707-793A-6	Sequence 6, Appl
37	262	19.4	224	1	US-08-707-792A-6	Sequence 6, Appl
38	261	19.3	98	1	US-08-308-086-4	Sequence 4, Appl
39	261	19.3	99	1	US-08-202-389-38	Sequence 38, Appl
40	258.5	19.1	98	1	US-08-202-389-39	Sequence 39, Appl
41	258.5	19.1	102	2	US-08-820-754-24	Sequence 24, Appl
42	258.5	19.1	102	3	US-08-956-652-24	Sequence 24, Appl
43	258.5	19.1	102	3	US-08-956-652-24	Sequence 24, Appl
44	258.5	19.1	102	3	US-08-948-547-24	Sequence 24, Appl
45	254.5	18.8	97	2	US-08-479-078-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1

US-08-426-509A-16

Sequence 16, Application US/08426509A

Patent No. 6326469

GENERAL INFORMATION:

APPLICANT: Ulrich, Axel

APPLICANT: Gishizky, Mikhail

APPLICANT: Surea, Imhan G.

TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/426,509A

FILING DATE: 21-Apr-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/232,545

FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 512 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: No. 6326469e
US-08-426-509A-16

Query Match 27.7% Score 374.5; DB 4; Length 512;
Best Local Similarity 40.3%; Pred. No. 4,3e-32;
Matches 81; Conservative 36; Mismatches 75; Indels 9; Gaps 3;

[illegible]

Matches	81;	Conservative	36;	Mismatches	75;
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72 LSEVSGREYNIPSVHAKV - - - - SHGWL YEG L

Query Match	27.0%;	Score 364.5;	DB 4;	Length 505;
Best Local Similarity	42.2%;	Pred. No. 5.1e-31;		
Matches 78;	Conservative 31;	Mismatches 69;	Indels 7;	Gaps 2

Dy 72 LSEVSGREYNIPIPVAAKY---SHQWLEGLSRKAELETLLPQNPGAFILIRBESOTRR 127

Db 97 RSLATREKGYIPSNVAVRDSLETEWFFKGI SRDAROLLAPOGMLGSFMRDSEITK 156
Qy 128 GSYSLVRLSRPASMDRIHRIHCLDNGMLYISPLTFPSLOALVDHSELAIDICLL 187
Db 157 GSYSLVRYDVPDPOGDTVKHYKIRTLNDNGFISPSRSTFSLQELVDHKKNDGLCKL 216
Qy 188 KEPV 192
Db 217 SVPCM 221

RESULT 4

PCT-US95-05008-17
Sequence 17, Application PC/TUS9505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States Of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: Munchen 80539
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 505 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-05008-17

Query Match 27.0%; Score 364.5; DB 5; Length 505;
Best Local Similarity 42.2%; Pred. No. 5, 1e-31;
Matches 78; Conservative 31; Mismatches 69; Indels 7; Gaps 2;
Qy 12 PSPSLSSVQGGPVTMAEBSKATINAGSPAGPAELSLRGEPLTIVSEDCDWTW 71
Db 40 PGRSHNS---NTPGIRAGSEDIYVALYDIAIHEDUSFGQGMVVLSESGEWKA 96
Qy 72 LSEVSGREYNIPSVHAKV-----SHGMLYGLSRKAEELLPLPGNPGCAFLLRESQTRR 127

Db 97 RSLATREKGYIPSNVAVRDSLETEWFFKGISRDAROLLAPOGMLGSFMRDSEITK 156
Qy 128 GSYSLVRLSRPASMDRIHRIHCLDNGMLYISPLTFPSLOALVDHSELAIDICLL 187
Db 157 GSYSLVRYDVPDPOGDTVKHYKIRTLNDNGFISPSRSTFSLQELVDHKKNDGLCKL 216
Qy 188 KEPV 192
Db 217 SVPCM 221

RESULT 5

US-08-426-509A-19
Sequence 19, Application US/08426509A
Patent No. 6326469
GENERAL INFORMATION:
APPLICANT: Ulrich, Axel
APPLICANT: Gshizsky, Mikhail
APPLICANT: Sures, Irman G.
TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
TITLE OF INVENTION: TYROSINE KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/426,509A
FILING DATE: 21-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/232,545
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-0074-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 499 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: NO. 6326469e
US-08-426-509A-19

Query Match 25.8%; Score 348.5; DB 4; Length 499;
Best Local Similarity 36.5%; Pred. No. 2, 8e-29;
Matches 81; Conservative 32; Mismatches 72; Indels 37; Gaps 4;
Qy 1 MGSLPERRKSLPSPSLSSVQGGPV-----TMAERK 34
Db 1 MGLSLSKQ-----VEKKKGKSPVKRTQDKAPPLPVVFNHLAPSPNODPDEE 54
Qy 35 ATVALGSPFAGGPAELSLRGEPLTIVSEDCDWTWVLSVSGREYNIPSVHAKVS--- 91
Db 55 RFVVALFDYAAVNDRIQVLEKELQVLRSTGDMWLARSLVTGRBGVPSNFAVPETLE 114
Qy 92 -HGMLYGLSRKAEELLPLPGNPGCAFLLRESQTRGYSVLSRSPASMDRIHRI 150

Db 115 VEKMFRTISKDAERQLAPMKNKAGFLIRESESNKGAFLSVK-DITTOGEVVKHYKI 173
QY 151 HCLDNGMLYISPRITFPLQALVQHYSKKGDGLCKQLTLPKV 192
Db 174 RSLDNGGYIISPRITFPLQALVQHYSKKGDGLCKQLTLPKV 215

RESULT 6

PCT-US95-05008-19
Sequence 19, Application PC/TUS9505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wissenschaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: Munchen 80539
APPLICANT: Germany
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Bmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-Apr-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-Apr-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Cornuzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 499 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US95-05008-19

Query Match 25.8%; Score 348.5; DB 5; Length 499;
Best Local Similarity 36.5%; Pred. No. 2.8e-29;
Matches 81; Conservative 32; Mismatches 72; Indels 37; Gaps 4;

QY 1 MGSLLPBRKSLPSLSLSSVQGGPV-----TMEARSK 34
Db 1 MGLSSKRO-----VSEKGGWSPVKRTQDKAPPLPLVFNHLPSPBNODPDEE 54
QY 35 ATAVALGSEPPAGPAELSLRIGELTIVSEDDWMTVLSEVSGREYNIPSVHAKVS--- 91
Db 55 RFVVALFDVAANVDRDLQVLRKGLQVLRSTGDMWLARSLVTRBEGVVSNSVAPVETLE 114
QY 92 -HGWLYEGLSREKAEELLPLGPNPGAFPIRESQTRGSGYSLSVRLSRASMDIRHYRI 150

Db 115 VEKMFRTISKDAERQLAPMKNKAGFLIRESESNKGAFLSVK-DITTOGEVVKHYKI 173
QY 151 HCLDNGMLYISPRITFPLQALVQHYSKKGDGLCKQLTLPKV 192
Db 174 RSLDNGGYIISPRITFPLQALVQHYSKKGDGLCKQLTLPKV 215

RESULT 7

US-09-039-555B-17
Sequence 17, Application US/09039555B
Patent No. 6033856
GENERAL INFORMATION:
APPLICANT: Koerner, Kathrin
APPLICANT: Mueller, Rolf
APPLICANT: Sadlasek, Hans-Harald
TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS
PREPARATION AND USE
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/039,555B
FILING DATE: 16-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 19710643.9
FILING DATE: 14-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Bent, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 016779/0131
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 509 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-039-555B-17

Query Match 25.5%; Score 344; DB 3; Length 509;
Best Local Similarity 41.1%; Pred. No. 8.8e-29;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

QY 26 VTMEARSKAT-----AVALGSEPPAGPAELSLRIGELTIVSEDDWMTVLSEVSGRE 79
Db 49 VYEEESNPBPAPLQDNLVIALHSYPSHDGLCEKGEQLRLBESGEMKKAQSLTTGOE 108
QY 80 YNIPSVHAKVS-----HGWLYEGLSREKAEELLPLGPNPGAFPIRESQTRGSGYSLSVR 135
Db 109 GFIPNFPVAKNSLSEPEPWFPGNLSRKDAERQLAPGNTGSGFLIRSESTAGSFSLSVR 168
QY 136 LSREPAMWRIRHTRHICLDNGMLYISPRITFPLQALVQHYSELADICCLKEPCVOR 195
Db 169 DFDONGGVVGHYKIRLNDGSGFYISPRITFPLGHLVHRYTMSDGLCTRLSRPCQTVK 228

RESULT 8
US-08-426-509A-18

```

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 8
; LENGTH: 509
; TYPE: PRT
; ORGANISM: Human
US-09-457-040B-B

Query Match      25.5%; Score 344; DB 4; Length 509;
Best Local Similarity 41.1%; Pred. No. 8, 8e-29;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

QY    VTMEKRSKYT-----AVALGSPAGGAPRLSLRGEPLTVSEDDMMTLVSGRE 79
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::
Db     49 VTYESNSPPASPLQONLVNIALHSYEPISDGLGREGEDLRILQGSEMKKQSLLTQE 108
QY    80 VNYSVVAVNV---HGMLYEGLSREVAEBELLDPNGPQAFILRESQTGRGSYLSVR 135
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::
Db     109 GFIPENVAANSLSEPEPFKKULSKRAEROLLAPGNTHGSFPIRSESTGSPSLSVR 168
QY    136 LSRPASMDRIIRHYRHICLDNGMWLVSPLRPETPSLOALVDHYSELADIDCCIAKEPCVLOR 195
      :|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::
Db     169 DFDQNGDEVVKHKYKIRINDGCFYISPRITTPGLHELVHTNMSDGLCTRLSRFCQNK 228

RESULT 10
Sequence 18, Application PC/TUS950505008
GENERAL INFORMATION:
APPLICANT: Sugen, Inc.
APPLICANT: 515 Galveston Drive
APPLICANT: Redwood City, California 94063-4720
APPLICANT: United States of America
APPLICANT: Wiscnachaften E.V.
APPLICANT: Hofgarten Str. 2
APPLICANT: München 80539
APPLICANT: Germany
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
TITLE OF INVENTION: Kinases
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSER: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05008
FILING DATE: 24-APR-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/232,545
FILING DATE: 22-APR-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-074
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9990
TELEX: (212)869-9741
TELETYPE: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 509 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown

```

MOLECULE TYPE: protein
PCT-US95-05008-18

Query Match 25.5%; Score 344; DB 5; Length 509;
Best Local Similarity 41.1%; Pred. No. 8, 8e-29;
Matches 74; Conservative 26; Mismatches 70; Indels 10; Gaps 2;

26 VTMEARSKAT-----AVALGSPFAGGPAELSLRLGEPRLTVSEDDGDMVTLSVSGRE 79

49 VTYEGSNPPASPLQDMVLVIALHSYEPSSHGDLGFEKGEQLRIEQQSGEMWKAQSLTTQOE 108

80 VNIPTVHYAKIS-----HGWLYEGLSREKAEELLILGNPGAFILRESQRRSGSYLSVR 135

109 GFIPNFVYAKANSLEPEPWFKNLSRKDAERQLAPGNTHSGFLLRESSESTAGSFSLSR 168

136 LSRPAMDRIRHRYHICLDNGMLYISPRLPFSLQALVDHYSLEADDICCLKEPCVLQR 195

169 DFDQNGEVVGHYKIRLNDGFGYISPRITFGIHELVHHTNADGLCTRLSRPCOTOK 228

RESULT 11

US-08-426-509A-11

Sequence 11, Application US/08426509A

Patent No. 6326469

GENERAL INFORMATION:

APPLICANT: Ulrich, Axel

APPLICANT: Gishizky, Mikhail

APPLICANT: Sures, Irman G

TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN

TITLE OF INVENTION: TYROSINE KINASES

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSER: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York,

STATE: NY

COUNTRY: USA

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/426,509A

FILING DATE: 21-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/232,545

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-0074-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-9741

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 537 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: No. 6326469e

US-08-426-509A-11

Query Match 23.6%; Score 319.5; DB 4; Length 537;
Best Local Similarity 38.8%; Pred. No. 4, 4e-26;
Matches 78; Conservative 24; Mismatches 80; Indels 19; Gaps 3;

10 SLSPSSLSVSGGPGVTMEARSKATA-----VALGSPFAGGPAELSLRL 55

DB 46 SIPYNNFHAAGQGLTVFGGVNSSHGTLTREGCGVTILFVALYDVEARTEDDLSEFK 105

56 GEPLTIV-SEDDGDMVTLSVSGREYNIPTVHYAKV-----SHGMLYEGLSREKAEELL 110

106 GEKQILNSSEDDGDMWARSILTGETGYIPSNVVAEVDISIQAEEMWYFGKGRDAEROLLS 165

111 PGNCGAFILRESQRRSGSYLSVRLSRPAMDRIRHRYHICLDNGMLYISPRLPFSLQ 170

166 FGNRGTFILRESERTKAYSLSIRDMWDMKGDHVYKIRKLDNGYIITRAQFETLQ 225

171 ALVDHYSLEADDICCLKEPC 191

226 QLVQHYERAAGLCCRLVVP 246

RESULT 12

PCT-US95-05008-11

Sequence 11, Application PC/RUS9505008

GENERAL INFORMATION:

APPLICANT: Sugen, Inc.

APPLICANT: 515 Galveston Drive

APPLICANT: Redwood City, California 94063-4720

APPLICANT: United States of America

APPLICANT: Messerschaffen E.V.

APPLICANT: Hofgarten Str. 2

APPLICANT: Munchen 80539

TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine

TITLE OF INVENTION: Kinases

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSER: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/05008

FILING DATE: 24-APR-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/232,545

FILING DATE: 22-APR-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Coruzzi, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-074

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212)790-9090

TELEFAX: (212)869-9741

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 537 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: protein

PCT-US95-05008-11

Query Match 23.6%; Score 319.5; DB 5; Length 537;
Best Local Similarity 38.8%; Pred. No. 4, 4e-26;
Matches 78; Conservative 24; Mismatches 80; Indels 19; Gaps 3;

10 SLSPSSLSVSGGPGVTMEARSKATA-----VALGSPFAGGPAELSLRL 55

Db 46 SLPNVNNPAAAGGGLTVRGVNSSHTGLTRRGTVTLFVALYDEARTEDDLSFRK 105
 QY 56 GEPPLTV-SEDGWMTVLSVSGREVINPSVHAKV---SHGMLYEGLSREKAEELL 110
 Db 106 GEKFOINSSGDMWEARSLTGTGYIPSNYVAPVDSIOAEWYFGKCRKAERQLLS 165
 QY 111 PGNPGAFILRESQTRGSGYSLSVLSRPSAMDRIRHRHICLNGMLYISPLTPPSLQ 170
 Db 166 FGNPRGFTLIRESETTKGAYSLIRDMDDKGDHGVHVKIKRLNGGYITTTAQPETLQ 225
 QY 171 ALVDHSELDADICLLKPPC 191
 Db 226 QLVQHYSERAAAGLCRLVVP 246

RESULT 13

US-08-426-509A-14
 ; Sequence 14, Application US/08426509A
 ; Patent No. 6326469

GENERAL INFORMATION:
 APPLICANT: Ullrich, Axel
 APPLICANT: Glushko, Mikhail
 APPLICANT: Sures, Irman G.
 TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
 TITLE OF INVENTION: TYROSINE KINASES
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York,
 STATE: NY
 COUNTRY: USA
 ZIP: 10036-2711

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/426,509A
 FILING DATE: 21-APR-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/232,545
 FILING DATE:

ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-0074-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-790-9090
 TELEFAX: 212-869-9741
 TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 543 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: NO. 6326469e
 US-08-426-509A-14

Query Match 23.6%; Score 319.5; DB 4; Length 543;
 Best Local Similarity 29.3%; Pred. No. 4.5e-26;
 Matches 93; Conservative 45; Mismatches 112; Indels 67; Gaps 9;

QY 2 GSLSRRKSLSPSSSSV-----OCQGYTMEARSKATAVALGSPAG---- 46
 Db 33 CAERTTVSPCPSSAKGTAVNFFSLMTFPGGSSGVTFPGGASSFSVPSVPAGLTGG 92
 QY 47 -----GPAELSLRLGEPPLTVSE-DGDWMTVLSVSGREVINPSVHAKV-- 90
 Db 93 VTIFFVALYDEARTEDDLSFRKGRFOIINTTGDWMEARSIAATGKNGYIPSNYVAPADS 152

QY 91 --SHGMLYEGLSREKAEELLPLGNPGAFILRESQTRGSGYSLSVLSRPSAMDRIR-- 146
 Db 153 IOAEWYFGKCRKAERLLNPNORGFILRESETTKGAYSLIR-----DMDIIRGD 207
 QY 147 ---HYRHCIDNGMLYISPLTPPSLOALVDHSELDADICLLKPPC-----VLQ 194
 Db 208 NVKHYKRLKLDGYSYITTTAQPETLQKVRKYTEHADGCHKLTTCVCTVAPQTOGLAK 267
 QY 195 RAGLPKGDIPLPVTQOR-----TPLNKELDSSILFSEKATGESLSSEG 240
 Db 268 DAMEIPRESILREVALGQCGCFEYVMNGTNGTTKVALIKTLKPGMMPBAFLQEAQIMKKL 327
 QY 241 LRESL-SFYISLNDKAV 256
 Db 328 RHDKVLVYAVVSEPI 344

RESULT 14

PCT-US95-05008-14
 ; Sequence 14, Application PC/TUS9505008

GENERAL INFORMATION:
 APPLICANT: Sugen, Inc.
 APPLICANT: 515 Galveston Drive
 APPLICANT: Redwood City, California 94063-4720
 APPLICANT: United States of America
 APPLICANT: Wissenschaften E.V.
 APPLICANT: Hofgarten Str. 2
 APPLICANT: Munchen 80539
 TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
 TITLE OF INVENTION: Kinasee
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/05008
 FILING DATE: 24-APR-1995
 CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/232,545
 FILING DATE: 22-APR-1994

ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-074
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)790-9090
 TELEFAX: (212)869-9741
 TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 543 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 PCT-US95-05008-14

Query Match 23.6%; Score 319.5; DB 5; Length 543;
 Best Local Similarity 29.3%; Pred. No. 4.5e-26;
 Matches 93; Conservative 45; Mismatches 112; Indels 67; Gaps 9;

QY 2 GSLPERKSLPSPSLSSSY-----QGGQPYTMEARKATAVAGSPAG---- 46
 DB 33 GAEPYTPSPCBSSAKGIAVNNSSLSMTFPGGSSGVTTPFGASSSFVSVSSYPAALTCG 92
 QY 47 -----GPAELSLRGEPLTVSE-DGDMWTVLSEVSGREYNIPSVHAKV-- 90
 DB 93 VTIFFVALDYEFARTTEDLSFKKGERFQIINTEGDMWEARSJATGKGYIPSNVYVAPADS 152
 QY 91 --SHGMLVEGLSREKAEELLPLPGNPGAFIRESQTRGSGYSLSVRLSPASMDRIR-- 146
 DB 153 IOAEEMFGKMGKRDARILLPGORGIPLVRESSTTGAYSLSIR-----DMDEIRGD 207
 QY 147 ---HYRIHLDNGMLYISPLRFPSPQLAVDHYSELADICCLLKEPC-----VIG 194
 DB 208 NVKHVKIRKLDNGGYITTRAQFDLQVLVGHYTEHADGICHKLTTCVCPVKQOTGLAK 267
 QY 195 RAGPLPGKDIPPLYTVOR-----TPLMWKEIDSLFSEATGSESLSEG 240
 DB 268 DAMEIPRESLELVKLGCGFGVWMTGNQTTVAIKTLKPGTMMPEAFIQAQIMKTL 327
 QY 241 LRESL-SFYISLNDNAV 256
 DB 328 RHDKLVPPLYAVVSEEPi 344

RESULT 15

US-09-006-675-2
 ; Sequence 2, Application US/09006675
 ; Patent No. 5952213
 ; GENERAL INFORMATION:
 ; APPLICANT: Hemmati-Brianiou, Ali
 ; APPLICANT: Weinstein, Daniel C.
 ; TITLE OF INVENTION: A NOVEL SRC-FAMILY KINASE AND METHODS OF
 ; TITLE OF INVENTION: USE THEREOF
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Klauber & Jackson
 ; STREET: 411 Hackensack Avenue, 4th Floor
 ; CITY: Hackensack
 ; STATE: New Jersey
 ; COUNTRY: USA
 ; ZIP: 07601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/006,675
 ; FILING DATE: 13-JAN-1998
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jackson Esq., David A.
 ; REGISTRATION NUMBER: 26,742
 ; REFERENCE/DOCKET NUMBER: 600-1-217
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 201-487-5800
 ; TELEFAX: 201-343-1684
 ; TELEX: 133521
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 496 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-006-675-2

Query March 23.5%; Score 317.5; DB 2; Length 496;
 Best Local Similarity 36.9%; Pred. No. 6,56-26;
 Matches 79; Conservative 34; Mismatches 74; Indels 27; Gaps 6;
 QY 1 MGSLPSPSLSSSVGCGP---VTM-EAERS-----KATAVAG 41

DB 1 MGCIKSDSNTGKSLGPPESSTQTHVKDPTSTVTMTKPERSSKHPREBGOEVLVALY 60
 QY 42 SFPAGCPAELSLRGEPLTVISEDDGMWTVLSEVSGREYNIPSVHAKV---SHGMLYE 97
 DB 61 DYDVMHGDITRRKDDHLLKKSGGEWEACLISTGEGFVPSNVYAFNSLSSEBWFYK 120
 QY 98 GLSEKAEELLPLPGNPGAFIRESQTRGSGYSLSVRLSPASMDRIRHYRIHCLDNGW 157
 DB 121 GMSRKEAERQLSPVNSKGAFMRDSEITMGCGSLSVR---DSGDTVGHYKIRTLDDGG 176
 QY 158 LVISPLRFPSPQLAVDHYSELADICCLLKEPC 191
 DB 177 PFISTRIPFSPLELVRYHVGKVDGLCGCTIIPC 210

Search completed: March 24, 2003, 15:52:31
 Job time: 22.1909 secs